

REMARKS

Claims 2, 4 through 7 and 9 through 17 currently pending in this application. Claims 2, 4, 6, 9, 14 and 17 are currently in independent form. Claims 1, 3 and 8 have been canceled.

Claims 4 and 6 have been amended to include all of the limitations of claim 3 and thus are now in independent form and further amended in response to the rejection under 35 U.S.C. § 112, second paragraph to provide cooperation between the measuring step and the determining step by including the language "using the measured width of each pulse" in the determining step.

Claim 9 has been rewritten into independent form to include all of the limitations of claim 8.

Claim 10 has been amended to overcome the rejection under 35 U.S.C. § 112, second paragraph by including the language "of the digital data stream" to clarify to which pulse is being referred.

Claim 14 has been rewritten into independent form to include all of the limitations of claim 8 and has further been amended to include the term "level" after "maximum voltage" in response to the objection noted in paragraph 4 of the final rejection.

Claim 15 has been amended to change the dependency to claim 14.

Claim 17 has been amended in response to the objections noted in the first office action as well as those noted in the final rejection. In line 6 of Claim 17, "a RC circuit" has been amended to "an RC circuit". In line 7, "duration" has been changed to "width" and in the last line "within which the digital value falls" has been changed to "which contains the digital value".

Summary

Applicants have made a diligent and bona fide effort to answer each and every ground for rejection or objection to the specification including the claims and to place the application in condition for allowance. Reconsideration and further examination is respectfully requested, and for the foregoing reasons, Applicant respectfully submits that this application is in condition to be passed to issue and such action is earnestly solicited.

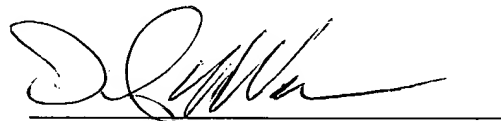
A check in the amount of \$200.00 is included to cover the fee for one additional independent claim. It is believed that no additional fees are presently due. However, should that determination be incorrect, the undersigned hereby authorizes the Patent Office officials to debit Deposit Account No. 50-0562 to satisfy any and all fees which may be due.

Should the Examiner wish to discuss this matter further, please contact the undersigned at the below listed number.

Dated: January 17, 2006

Respectfully submitted,

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